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PATENT
Attorney Docket No.: 015270-006444US
Client Reference No.: 228-US-NEW2C4

On March 18, 2005

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By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

John P. Anderson et al.

Application No.: 09/724,571

Filed: November 28, 2000

For: BETA-SECRETASE ENZYME
COMPOSITIONS AND METHODS

Examiner: Walicka, M. A.

Art Unit: 1652

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of references 77-78, 134-137, 146-147, 150-151, and 155-184 can be found in Application No. 09/471,669, filed December 24, 1999 (Attorney Docket No. 015270-006430US).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

John P. Anderson et al.
Application No.: 09/724,571
Page 2

PATENT

Applicant also cites commonly owned copending applications directed to related subject matter:

08/480,498 filed 06/07/1995 issuing as 5,744,346 on 04/28/1998
08/659,984 filed 06/07/1996 issuing as 5,942,400 on 08/24/1999
08/660,531 filed 06/07/1996 issuing as 6,221,645 on 04/24/2001
09/054,334 filed 04/02/1999 issuing as 6,329,163 on 12/11/2001
09/404,578 filed 09/23/1999 issuing as 6,852,482 on 02/08/2005
09/471,669 filed 12/24/1999
09/723,722 filed 11/28/2000
09/724,566 filed 11/28/2000
09/724,571 filed 11/28/2000
09/724,568 filed 11/28/2000
09/724,569 filed 11/28/2000
10/778,675 filed 02/12/2004

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

08/485,152 filed 06/07/1995
60/114,408 filed 12/31/1998
60/119,571 filed 02/10/1999
60/139,172 filed 06/15/1999
09/501,708 filed 02/10/2000
09/723,739 filed 11/28/2000
10/099,922 filed 03/15/2002

Applicants understand the Examiner can access papers from the prosecution of the cited cases electronically via PALM. However, if the Examiner has difficulty obtaining papers from that source he or she is invited to call the undersigned who will be happy to supply them.

John P. Anderson et al.
Application No.: 09/724,571
Page 3

PATENT

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joe Liebeschuetz
Reg. No. 37,505

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 650-326-2422
RLC:crf

60425863 v1

PTO/SB/08A (08-03)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/724,671	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson	
			Art Unit	1652	
			Examiner Name	Walicka, M. A.	
Sheet	1	of	4	Attorney Docket Number	015270-008444US

U.S. PATENT DOCUMENTS*					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code‡ (if known)			
	153	6,852,482	02-08-2003	Gurney et al.	
	149	6,844,148	01-18-2003	Gurney et al.	
	148	6,835,565	12-28-2004	Gurney et al.	
	91 B2	6,828,117	12-07-2004	Gurney et al.	
	139	6,825,023	11-30-2004	Gurney et al.	
	113	6,797,487	09-28-2004	Gurney et al.	
	114	6,790,610	09-14-2004	Gurney et al.	
	115	6,753,163	06-22-2004	Gurney et al.	
	116	6,737,510	05-18-2004	Gurney et al.	
	117	6,727,074	04-27-2004	Gurney et al.	
	118	6,706,485	03-16-2004	Gurney et al.	
	119	6,699,671	03-02-2004	Gurney et al.	
	154	6,627,739	09-30-2003	Anderson	
	120	6,500,667	12-31-2002	Gurney et al.	
	121	6,440,698	08-27-2002	Gurney et al.	
	122	6,420,534	07-16-2002	Gurney et al.	
	141	5,863,756	01-26-1999	Barr et al.	
	140	2004/0234976	11-25-2004	Gurney et al.	
	123	2004/0166507	08-26-2004	Gurney et al.	
	124	2004/0048303	03-11-2004	Gurney et al.	
	125	2004/0043408	03-04-2004	Gurney et al.	
	128	2002/0081634	06-27-2002	Gurney et al.	
	130	2002/0037315	03-28-2002	Gurney et al.	
	131	2001/0021391	09-13-2001	Gurney et al.	
	142	10/817,979		Gurney et al.	
	143	10/477,076		Gurney et al.	
	144	09/668,314		Gurney et al.	
	94	09/548,370		Gurney et al.	
	97	09/548,369		Gurney et al.	
	95	09/548,365		Gurney et al.	
	27	09/404,133		Gurney et al.	
	152	60/169,232		Gurney et al.	
	28	09/277,229		Citron et al.	
	29	60/210,292		Hong et al.	
	30	60/178,368		Lin et al.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *** Applicant is to

PTO/SB/09A (08-05)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/724,571
				Filing Date	November 28, 2000
				First Named Inventor	Anderson
				Art Unit	1852
Examiner Name	Walicka, M. A.				
Sheet	2	of	4	Attorney Docket Number	015270-008444US

U.S. PATENT DOCUMENTS*					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	31	60/177,836		Lin et al.	
	32	60/168,060		Lin et al.	
	33	60/155,493		Gurney et al.	
	34	60/141,363		Lin et al.	
	35	60/139,172		Anderson et al.	
	36	60/119,571		Basi et al.	
	37	60/114,408		Basi et al.	
	38	60/101,594		Gurney et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ²	Number ³	Kind Code ⁴ (if known)				
	134	WO	01/50829	A2	07-19-2001			<input type="checkbox"/>
	135	WO	01/49098	A2	07-12-2001			<input type="checkbox"/>
	136	WO	01/49097	A2	07-12-2001			<input type="checkbox"/>
	137	WO	01/23533	A2	04-05-2001			<input type="checkbox"/>
	170	EP	1 445 263	A1	08-11-2004			<input type="checkbox"/>
	171	EP	855 442	A2	07-29-1998			<input type="checkbox"/>
	166	GB	2 364 059	B	01-14-2004			<input type="checkbox"/>
	167	GB	2 389 114	B	02-04-2004			<input type="checkbox"/>
	168	GB	2 389 113	B	02-04-2004			<input type="checkbox"/>
	169	GB	2 389 182	B	02-04-2004			<input type="checkbox"/>

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PTO/SB/08B (08-03)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/724,571	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson	
			Art Unit	1852	
			Examiner Name	Walicka, M. A.	
Sheet	3	of	4	Attorney Docket Number	015270-006444US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	181	BORK, P., "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <u>Genome Research</u> , 10:398-400 (2000).	
	179	BROWN et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity," <u>Science</u> , 282:131-133 (1998).	
	178	DAS et al., "Estrogenic responses in estrogen receptor- α deficient mice reveal a distinct estrogen signaling pathway," <u>PNAS</u> , 94:12786-12791 (1997).	
	151	Declaration of Michael Bienkowski, Ph.D. in U.S. patent application 09/548,368	
	183	DENNIS et al., "Kunitz Domain Inhibitors of Tissue Factor-Factor VIIa," <u>J. Biol. Chem.</u> , 269(35):22129-22136 (1994).	
	155	Examination Report for United Kingdom 00121314.9 dated November 1, 2002.	
	156	Examination Report for United Kingdom 00121314.9 dated July 21, 2003.	
	157	Examination Report for United Kingdom 00121314.9 dated October 30, 2003.	
	158	Examination Report for United Kingdom Application 0318112.0 dated November 19, 2003.	
	159	Search and Examination Report for United Kingdom Application 0318112.0 dated September 24, 2003.	
	160	Search and Examination Report for United Kingdom Application 0318107.0 dated September 25, 2003.	
	161	Search and Examination Report for United Kingdom Application 0318113.8 dated September 25, 2003.	
	162	Examination Report for United Kingdom Application 0318113.8 dated November 19, 2003.	
	163	Examination Report for European Application 00919298.0 dated October 30, 2003.	
	164	Search Report for European Application 04006991.6 dated June 11, 2004.	
	165	Examination Report for New Zealand Application 534876 dated August 27, 2004.	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

60425683 v1

PTO/SB/08B (08-03)

Substitute for form 1440B/PTO		Complete If Known	
		Application Number	09/724,571
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	November 28, 2000
		First Named Inventor	Anderson
		Art Unit	1652
		Examiner Name	Walicka, M. A.
(use as many sheets as necessary)		Attorney Docket Number	015270-006444US
Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	184	International Preliminary Examination Report for PCT application PCT/US00/03819 dated 9/4/02.	
	146	Examination Report for European Application 00919298.0 dated September 9, 2004.	
	147	HARDY, J., "Framing beta-amyloid," <i>Nature Genetics</i> , 1(4):233-234 (1992).	
	176	JACKSON et al., "The p47 ^{phx} Mouse Knock-Out Model of Chronic Granulomatous Disease," <i>J. Exp. Med.</i> , 182:751-758 (1995).	
	182	KICK et al., "Structure-based design and combinatorial chemistry yield low nanomolar inhibitors of cathepsin D," <i>Chem. & Biol.</i> , 4:297-307 (1997).	
	173	KRISTIE, T. M., "The Mouse Homologue of the Human Transcription Factor C1 (Host Cell Factor)," <i>J. Biol. Chem.</i> , 272(42):26749-26755 (1997).	
	174	LI et al., "Cloning and Characterization of Three New Murine Genes Encoding Short Homologues of RNase P RNA*," <i>J. Biol. Chem.</i> , 270(42):25281-25285 (1995).	
	150	Office Action dated 5/6/02 in U.S. patent application 09/548,368	
	77	PCT Search report for PCT/US99/20881	
	78	PCT Search report for PCT/US00/03819	
	177	RAABE et al., "Knockout of the abetalipoproteinemia gene in mice: Reduced lipoprotein secretion in heterozygotes and embryonic lethality in homozygotes," <i>PNAS</i> , 95:8686-8691 (1998).	
	172	SUN et al., "Gene Structure, Chromosomal Localization, and Expression of the Murine Homologue of Human Proteinase Inhibitor 6 (PI-6) Suggests Divergence of PI-6 from the Ovalbumin Serpins*," <i>J. Biol. Chem.</i> , 270(27): 16089-16096 (1995).	
	175	UMANS et al., "Targeted Inactivation of the Mouse α_2 -Macroglobulin Gene*," <i>J. Biol. Chem.</i> , 270(34):19778-19783 (1995).	
	180	VAN DE LOO et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <i>PNAS</i> , 92:6743-6747 (1995).	

Examiner Signature	Date Considered
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